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Mr. James Saric, Remedial Project Manager
USEPA Region 5
77 West Jackson Boulevard (SR-6J)
Chicago, IL 60604-3507

ARCADIS
10559 Citation Drive
Suite 100
Brighton
Michigan 48116
Tel 810.229.8594
Fax 810.229.8837
www.arcadis-us.com

Subject:
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Post-Removal Surface Sediment PCB Sampling Results for Removal Areas
Completed in 2007

INDUSTRIAL

Dear Mr. Saric:

Date:
March 3, 2008

Enclosed for your review are the results of the Plainwell TCRA post-construction surface sediment sampling performed by ARCADIS on January 22 and 23, 2008. Surface sampling was performed in the sediment removal areas that were excavated during the 2007 construction season, as required in Section 3.4.5 of the SRI/FS Work Plan and Section 5.6.1 of the Plainwell TCRA Design Report. Surface sediment (0- to 2-inch depth) was sampled in 11 areas within the former Plainwell Impoundment at locations proposed by ARCADIS on January 7, 2008 and approved by USEPA on January 15, 2008. Of the 11 individual areas sampled, 10 were described in the TCRA Design Report, and one was the additional area added at the direction of USEPA (the added area, Removal Area 1, is the furthest upstream area sampled). Three locations were targeted in each area for a total of 33 planned locations. Sampling occurred on January 22 and 23, 2008, and oversight was provided by MDEQ for all sample collection activities. At 3 locations, no sediment was present, so samples were not collected. Samples from 30 locations were analyzed for PCB, TOC, and particle size distribution.

Contact:
Michael J. Erickson, P.E.

Phone:
810.225.1924

Email:
michael.erickson@arcadis-us.com

Our ref:
B0064539.00014 #2

Overall, the sampling results show good effectiveness of the removal activities. PCBs were not detected in 23 percent of the samples and were less than 1.0 mg/kg in 80 percent of the samples. The median PCB concentration was 0.22 mg/kg. The total PCB concentration in six samples was greater than 1.0 mg/kg including a maximum observed concentration of 48 mg/kg. All data are presented in the attached Tables 1, 2, and 3, and the PCB data are presented with the sample locations in Figure 1 and in a cumulative frequency distribution plot in Figure 2. Photographs of all the samples are provided in Attachment A and illustrate the predominance of coarse post-removal material (i.e., sands and gravel, some shells) observed at most locations. A statistical summary of the data is provided in the table below.

Imagine the result

Statistical Summary of Post-Removal Sediment PCB Data for 2007 Removal Areas

Statistic	Value ¹
Count	30
Range	ND – 48 mg/kg
Median	0.22 mg/kg
Average	2.3 mg/kg
Average excluding sample PCS-1-1	0.78 mg/kg
Average of the 10 areas sampled that are in the TCRA Design Report ²	0.50 mg/kg

Notes:

1. Duplicate samples were averaged, and one-half of the sample quantitation limits was used for samples where PCB were not detected.
2. Including the 3 locations without sediment as zero PCB values.

Three of the six samples with PCB concentrations greater than 1.0 mg/kg, including the maximum 48 mg/kg, were collected in the upstream most area, which is the area that was added at the direction of USEPA. This result is anomalous in that the sample contained nearly 50% gravel, yet also 8% of a clay size fraction. The high percentage of gravel and coarse materials in the sample provides an indication that overlying targeted material was successfully removed. If this sample is not included, the average PCB concentration of the remaining 29 locations is 0.78 mg/kg (with the sample, the average is 2.3 ppm). It is also notable that if it is assumed that no PCB is present at the three locations where no sediment was observed (sediment could not be collected), the average post-removal PCB concentration for samples collected from the 10 areas defined in the TCRA Design Report is 0.50 mg/kg. Overall, the results establish that the sediment removal methods employed in 2007 achieved high effectiveness in removal of PCB-containing sediments in targeted areas.

Please review these data and contact me with any questions or comments.

Sincerely,

ARCADIS



Michael J. Erickson, P.E.
Associate Vice President

Attachments

Copies:

Michael Ribordy, USEPA
Paul Bucholtz, MDEQ
Jeff Keiser, CH2M HILL
Bonnie Barnett, Esq., Drinker Biddle & Reath LLP
Steven Cook, Esq., Millennium Holdings, LLC
J. Michael Davis, Esq., Georgia-Pacific Corporation
Mellonie Fleming, Esq., Georgia-Pacific Corporation
Mark Tapp, Millennium Holdings, LLC
David Guier, Millennium Holdings, LLC
Suda Arakere, Millennium Holdings, LLC
Paul Montney, P.E., Georgia-Pacific Corporation
L. Chase Fortenberry, P.G., Georgia-Pacific Corporation
Mark Brown, Ph.D., Georgia-Pacific Corporation
Steve Garbaciak Jr., P.E., ARCADIS

ARCADIS

Tables

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Former Plainwell Impoundment TCRA
TCRA 2007 Removal Area

Table 2 -- Surface Sediment (0-to 2-inches) Particle Size Distribution Data

Location ID:	PCS-1-1 K55482	PCS-1-2 K55480	PCS-1-3 K55481	PCS-2A-1 K55479	PCS-2A-2 K55478	PCS-2A-3 K55477	PCS-3B-1 K55483	PCS-3B-2 K55484	PCS-3B-3 K55485	PCS-4B-1 K55486	PCS-4B-2 K55487	PCS-4B-3 K55488	PCS-5-1 K55476	PCS-5-2 K55475	PCS-5-3 K55474	PCS-6A-2 K55489
Sample ID:	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008	1/23/2008
Sample Date:	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Soil Classification (%)																
Gravel	45.5	29.4	23.1	9.7	0.3	3.4	16.5	41.3	14.3	65.3	0.9	1.5	0.0	0.4	0.2	88.8
Coarse Sand	15.1	15.0	9.8	3.7	17.7	21.4	11.4	19.5	16.8	7.0	2.3	6.4	0.1	0.3	1.1	2.0
Medium Sand	16.6	22.9	9.2	4.3	38.9	37.2	50.0	30.5	43.0	14.6	76.0	68.5	2.4	2.9	8.1	2.7
Fine Sand	6.8	21.7	39.9	38.3	38.1	32.9	15.4	7.6	23.5	6.3	18.7	21.2	9.3	36.5	56.9	3.7
Silt	8.2	9.0	17.2	40.2	4.3	4.8	4.6	0.8	1.5	5.3	1.7	72.0	51.1	21.9	2.3	
Clay	7.8	1.9	0.9	3.7	0.8	0.2	2.1	0.3	0.9	1.5	0.3	0.8	16.2	8.9	11.9	0.6
Particle Size (% finer)																
75000	10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
50000	10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
37500	10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
25000	10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
9000	10	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100
9500	72.1	88.9	84.7	92.6	100	99.7	89.3	74.4	92.7	47.6	100	100	100	100	100	100
4750	54.5	70.6	76.9	90.3	99.7	96.6	83.5	58.7	85.7	34.7	99.1	98.5	100	99.6	99.8	11.2
2000	39.4	55.5	67.2	86.6	82.0	75.1	72.1	39.2	68.9	27.7	96.7	92.1	99.9	99.3	98.7	9.3
850	28.8	43.3	63.1	85.0	50.9	51.1	45.0	19.2	45.3	20.4	69.6	62.4	98.1	97.6	95.1	8.1
425	22.8	32.7	58.0	82.2	43.2	37.9	22.1	8.7	25.8	13.1	20.7	23.6	97.5	96.4	90.6	6.6
250	20.0	25.2	47.0	78.6	36.1	26.5	13.1	4.4	15.6	9.4	6.1	9.6	96.8	92.8	79.4	5.6
180	17.5	18.3	32.8	70.2	16.5	11.9	8.9	2.0	7.3	7.6	2.3	3.7	94.9	82.6	57.0	4.0
150	17.2	15.7	28.6	65.9	10.6	8.8	8.2	1.6	5.5	7.4	2.2	3.0	94.2	77.9	50.8	3.7
75	16.0	10.9	43.9	5.1	5.0	6.7	1.0	2.4	6.8	2.0	2.4	88.2	59.9	33.8	2.9	
32 - 38	12.7	4.1	3.7	11.1	0.8	0.7	4.4	0.7	2.0	3.1	0.9	0.8	50.8	25.3	29.4	0.6
21 - 24	11.0	4.1	3.1	9.6	0.8	0.7	4.4	0.7	1.4	2.7	0.9	0.8	37.8	21.2	24.5	0.6
12.3 - 13.8	10.2	3.0	2.0	6.6	0.8	0.7	3.2	0.7	0.9	2.3	0.3	0.8	27.0	15.8	18.2	0.6
8.7 - 9.9	9.4	2.4	2.0	5.2	0.8	0.7	2.6	0.3	0.9	1.9	0.3	0.8	20.5	11.7	14.5	0.6
6.4 - 7.0	7.8	1.9	0.9	3.7	0.8	0.2	2.1	0.3	1.5	0.3	0.8	16.2	8.9	11.9	0.6	
3.2 - 3.5	6.1	1.3	0.8	2.1	0.8	0.2	2.0	0.2	0.3	0.6	0.3	0.8	11.7	4.8	8.1	0.2
1.4	3.7	1.3	0.8	2.1	0.8	0.2	0.9	0.2	0.3	0.2	0.3	0.3	7.4	2.0	4.4	0.2

See Note on Page 2.

Kalamazoo River Study Group
Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site
Former Plainwell Impoundment TCRA
TCRA 2007 Removal Area

Table 2 -- Surface Sediment (0-to 2-inches) Particle Size Distribution Data

Location ID:	PCS-6A-3 K55490	PCS-6B-1 K55466	PCS-6B-2 K55465	PCS-6B-3 K55464	PCS-7-2 K55463	PCS-8-1 K55461	PCS-8-2 K55460	PCS-8-3 K55459	PCS-11-1 K55469	PCS-11-2 K55468	PCS-11-3 K55468	PCS-12-1 K55473	PCS-12-2 K55472	PCS-12-3 K55471
Sample ID:	1/23/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008	1/22/2008
Sample Date:	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2	0-2
Depth Interval (in):														
Soil Classification (%)														
Gravel	66.6	12.3	12.3	30.3	37.4	NA	0.1	0.3	4.0	64.1	40.7	42.1	13.3	40.8
Coarse Sand	11.9	5.5	2.9	14.4	10.2	NA	0.8	1.3	15.3	19.1	27.3	23.1	13.6	3.6
Medium Sand	6.9	15.4	17.8	27.3	17.2	NA	69.0	69.5	46.7	4.0	17.4	18.2	41.3	8.1
Fine Sand	8.8	17.5	18.4	11.6	NA	28.5	28.0	32.5	2.1	10.9	14.5	29.7	26.8	30.6
Silt	5.7	31.4	29.0	7.7	20.7	NA	0.7	0.6	0.7	10.0	3.5	1.7	1.7	14.4
Clay	0.2	17.9	19.6	1.5	2.8	NA	1.0	0.3	0.8	0.7	0.2	0.3	0.3	4.9
Particle Size (% finer)														
75000	100	100	100	100	100	NA	100	100	100	100	100	100	100	100
50000	100	100	100	100	100	NA	100	100	100	100	100	100	100	100
37500	100	100	100	100	100	NA	100	100	100	100	100	100	100	100
25000	100	100	100	100	100	NA	100	100	100	100	100	100	100	100
19000	90.5	100	100	83.4	92.6	NA	100	100	100	100	100	100	100	100
9500	54.2	91.3	92.8	81.9	73.1	NA	100	100	100	100	100	100	100	100
4750	33.4	87.7	87.7	69.7	62.6	NA	99.9	99.7	96.0	35.9	59.3	57.9	86.7	56.1
2000	21.5	82.2	84.8	55.3	52.3	NA	99.2	98.5	80.7	16.8	32.0	34.8	73.0	48.0
850	17.7	77.7	78.7	43.0	45.3	NA	87.4	86.3	60.1	13.5	22.2	24.9	59.2	51.0
425	14.6	66.8	67.1	28.0	35.1	NA	30.2	28.9	34.0	12.8	14.6	16.5	31.7	40.9
250	11.2	57.6	57.3	17.1	27.8	NA	6.6	5.5	8.5	12.2	7.4	6.8	7.2	43.5
180	7.2	52.2	51.5	12.1	24.9	NA	2.5	1.6	2.5	11.1	4.1	2.4	2.1	35.8
150	6.6	51.6	50.9	11.2	24.6	NA	2.1	1.3	2.0	11.0	3.9	2.2	2.0	33.0
75	5.8	49.3	48.7	9.2	23.5	NA	1.6	0.9	1.5	10.7	3.7	2.0	2.0	20.7
32 - 38	0.6	38.2	39.9	4.3	7.0	NA	1.0	0.9	0.8	1.5	0.7	0.8	1.7	2.5
21 - 24	0.6	33.6	37.3	3.7	5.9	NA	1.0	0.9	0.8	1.5	0.7	0.8	1.36	1.2
12.3 - 13.8	0.6	27.4	30.5	2.1	4.4	NA	1.0	0.9	0.8	1.1	0.7	0.8	1.00	2.0
8.7 - 9.9	0.2	22.7	23.7	2.1	3.9	NA	1.0	0.9	0.8	1.1	0.2	0.3	0.82	0.8
6.4 - 7.0	0.2	17.9	19.6	1.5	2.8	NA	1.0	0.3	0.8	0.7	0.2	0.3	6.3	1.1
3.2 - 3.5	0.2	11.7	14.1	0.8	2.3	NA	0.3	0.3	0.6	0.2	0.3	0.2	2.5	0.2
1.4	0.2	6.9	10.0	0.8	1.8	NA	0.3	0.3	0.2	0.2	0.2	0.2	2.5	0.2

Note:
NA - Sample not analyzed

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TCRA 2007 Removal Area

Table 1 -- Surface Sediment (0- to 2-inches) Sample Data

Location ID	Sample Date	Sample ID	Depth Top (in)	Depth Bottom (in)	Sample Description
PCS-1-1	1/23/2008	K55482	0	2	Orange Brown Fine to Coarse Sand, Little Fine to Medium Gravel Over Dark Gray Clayey Silt, Slight Odor
PCS-1-2	1/23/2008	K55481	0	2	Brown Fine to Coarse Sand, Little Fine to Medium Gravel Over Dark Gray Silty Fine Sand, Trace Organics (Wood)
PCS-1-3	1/23/2008	K55480	0	2	Brown Fine to Medium Gravel Over Dark Gray Silty Fine Sands, Loose
PCS-2A-1	1/23/2008	K55479	0	2	Gray Brown Loose Silt, Little Fine Sand, Little Organics (Leaves, Vegetation, Twigs)
PCS-2A-2	1/23/2008	K55478	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine Gravel, Trace Organics (Wood), Loose
PCS-2A-3	1/23/2008	K55477	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine Gravel, Trace Shells, Loose
PCS-3B-1	1/23/2008	K55483	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine to Medium Gravel, Trace Organics (Twigs), Over Gray Brown Sandy Clay
PCS-3B-2	1/23/2008	K55484	0	2	Gray Brown Fine to Coarse Sand, Little/Some Fine to Coarse Gravel, Trace Silt, Loose
PCS-3B-3	1/23/2008	K55485	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Little Fine to Coarse Gravel, Trace Silt
PCS-4B-1	1/23/2008	K55486	0	2	Gray Brown Fine to Coarse Gravel and Fine to Coarse Sand, Trace Silt, Trace Shells
PCS-4B-2	1/23/2008	K55487	0	2	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Loose
PCS-4B-3	1/23/2008	K55488	0	2	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Shells
PCS-5-1	1/23/2008	K55476	0	2	Brown Very Loose Silt, Trace Fine Sand, Trace Organics (Vegetation)
PCS-5-2	1/23/2008	K55475	0	2	Brown Very Loose Silt, Trace Fine Sand, Trace Organics (Vegetation)
PCS-5-3	1/23/2008	K55474	0	2	Dark Brown Silt, Little Fine Sand, Trace Coarse Gravel
PCS-6A-1	1/23/2008				No Sediment - No Sample Collected
PCS-6A-2	1/23/2008	K55489	0	2	Gray Brown Fine to Coarse Gravel, Little Fine to Coarse Sand, Trace Shells
PCS-6A-3	1/23/2008	K55490	0	2	Gray Brown Fine to Coarse Sand, Little/Some Fine to Coarse Gravel, Little Shells, Trace Vegetation
PCS-6B-1	1/22/2008	K55466 [K55467]	0	2	Dark Gray Brown Silty Clay, Trace Fine to Coarse Sand, Trace Fine to Medium Gravel, Slight Odor, Trace Shells
PCS-6B-2	1/22/2008	K55465	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine to Medium Gravel, Trace Silt
PCS-6B-3	1/22/2008	K55464	0	2	Dark Gray Brown Silty Fine to Coarse Sand, Trace Fine to Medium Gravel, Slight Odor

See Note on Page 2.

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Table 1 -- Surface Sediment (0- to 2-inches) Sample Data

Location ID	Sample Date	Sample ID	Depth Top (in)	Depth Bottom (in)	Sample Description	
PCS-7-1	1/22/2008		No Sediment - No Sample Collected			
PCS-7-2	1/22/2008	K55463	0	2	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Shells	
PCS-7-3	1/22/2008		No Sediment - No Sample Collected			
PCS-8-1	1/22/2008	K55461 ¹ [K55462]	0	2	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Shells	
PCS-8-2	1/22/2008	K55460	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Shells, Trace Slag, Loose	
PCS-8-3	1/22/2008	K55459	0	2	Brown Fine to Coarse Sand and Shells, Loose	
PCS-I1-1	1/22/2008	K55470	0	2	Gray Brown Fine to Coarse Sand, Little Fine to Coarse Gravel, Trace Shells, Loose	
PCS-I1-2	1/22/2008	K55469	0	2	Gray Brown Fine to Coarse Sand, Little Fine to Medium Gravel, Little Shells, Loose	
PCS-I1-3	1/22/2008	K55468	0	2	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Fine to Medium Gravel, Trace Shells	
PCS-I2-1	1/22/2008	K55473	0	2	Dark Brown Leaves and Loose, Watery Silt	
PCS-I2-2	1/22/2008	K55472	0	2	Gray Brown Fine to Medium Sand, Trace Coarse Sand, Trace Fine Gravel, Trace Shells, Loose	
PCS-I2-3	1/22/2008	K55471	0	2	Gray Brown Fine to Medium Sand, Little Coarse Sand, Trace Fine to Coarse Gravel, Loose	

Note:

¹ MS/MSD performed on this sample. Duplicate samples are in brackets. All samples analyzed by TestAmerica Laboratories, Inc. for PCB, TOC and particle size.

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Table 3 -- Surface Sediment (0- to 2-inches) Analytical Data

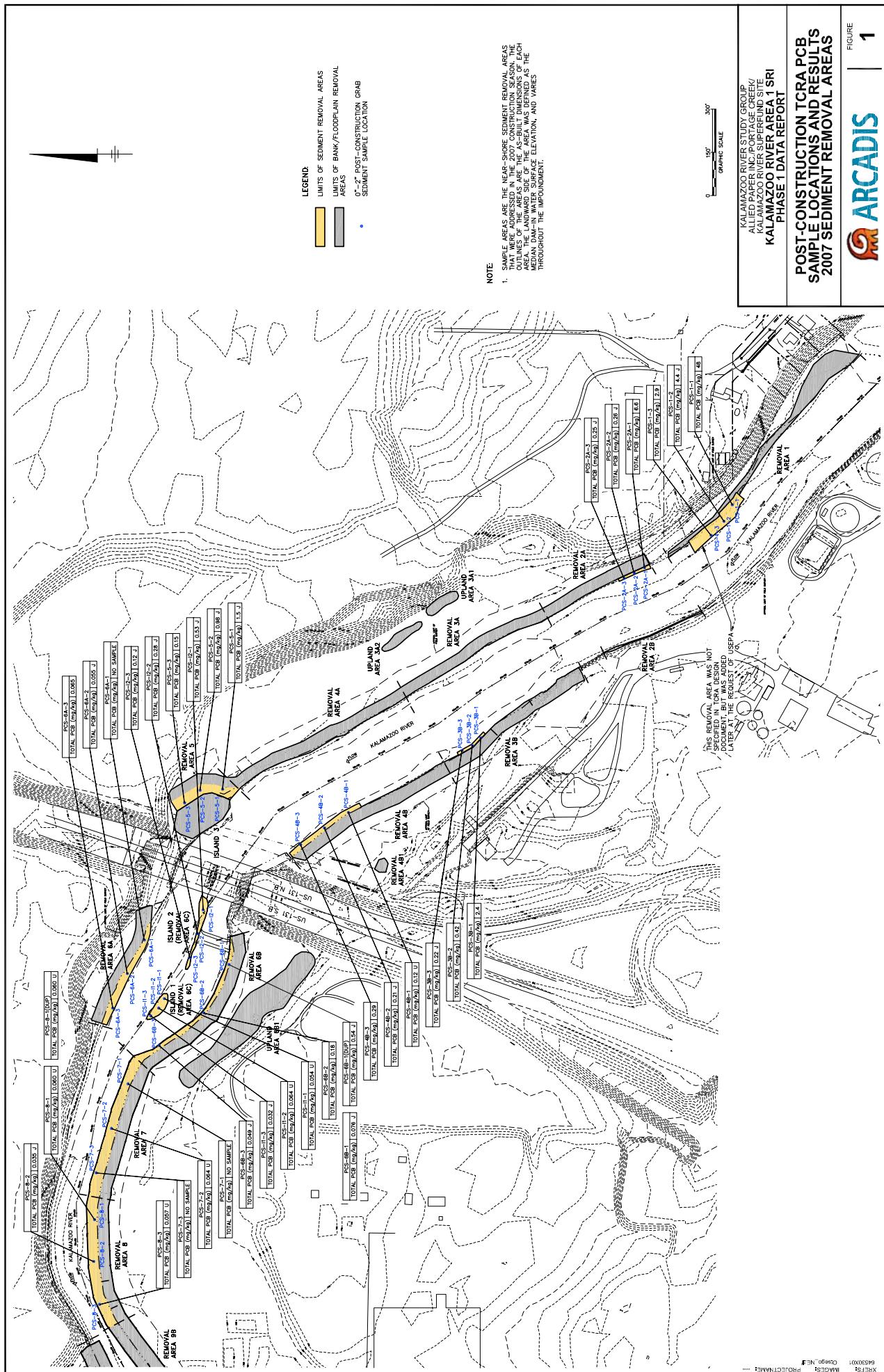
Location ID	Sample Date	Sample ID	Depth Top (in)	Depth Bottom (in)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1248	Aroclor 1254	Aroclor 1260	Total PCB	TOC (mg/kg)	Percent Solids		
PCS-1-1	1/23/2008	K55482	0	2	2.8 U	2.8 U	2.8 U	43	2.8 U	4.7	2.8 U	48	41600	53	
PCS-1-2	1/23/2008	K55481	0	2	0.42 U	0.42 U	0.42 U	4.1	0.42 U	0.34 J	0.42 U	4.4 J	21300	60	
PCS-1-3	1/23/2008	K55480	0	2	0.19 U	0.19 U	0.19 U	2.1	0.19 U	0.76	0.19 U	2.9	40600	53	
PCS-2A-1	1/23/2008	K55479	0	2	0.56 U	0.56 U	0.56 U	5.5	0.56 U	1.1	0.56 U	6.6	150000	18	
PCS-2A-2	1/23/2008	K55478	0	2	0.064 U	0.064 U	0.064 U	0.15	0.062 J	0.047 J	0.064 U	0.26 J	5310	78	
PCS-2A-3	1/23/2008	K55477	0	2	0.065 U	0.065 U	0.065 U	0.21	0.065 U	0.042 J	0.065 U	0.25 J	1540	77	
PCS-3B-1	1/23/2008	K55483	0	2	0.079 U	0.079 U	0.079 U	0.45	0.89	0.96	0.10	2.4	11000	63	
PCS-3B-2	1/23/2008	K55484	0	2	0.064 U	0.064 U	0.064 U	0.11	0.20	0.11	0.064 U	0.42	8420	78	
PCS-3B-3	1/23/2008	K55485	0	2	0.072 U	0.072 U	0.072 U	0.061 J	0.074	0.084	0.072 U	0.22 J	14600	70	
PCS-4B-1	1/23/2008	K55486	0	2	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	0.12 U	55500	41	
PCS-4B-2	1/23/2008	K55487	0	2	0.064 U	0.064 U	0.064 U	0.062 J	0.088	0.055 J	0.064 U	0.21 J	39800	78	
PCS-4B-3	1/23/2008	K55488	0	2	0.064 U	0.064 U	0.064 U	0.14	0.083	0.065	0.064 U	0.29	30800	78	
PCS-5-1	1/23/2008	K55476	0	2	0.18 U	0.18 U	0.18 U	0.70	0.25	0.48	0.097 J	1.5 J	70700	27	
PCS-5-2	1/23/2008	K55475	0	2	0.14 U	0.14 U	0.14 U	0.43	0.22	0.26	0.071 J	0.98 J	56000	37	
PCS-5-3	1/23/2008	K55474	0	2	0.093 U	0.093 U	0.093 U	0.15	0.093 U	0.093 U	0.093 U	0.15	29300	54	
PCS-6A-1	1/23/2008				No Sediment - No Sample Collected										
PCS-6A-2	1/23/2008	K55489	0	2	0.093 U	0.093 U	0.093 U	0.093 U	0.055 J	0.093 U	0.093 U	0.055 J	74300	54	
PCS-6A-3	1/23/2008	K55490	0	2	0.063 U	0.063 U	0.063 U	0.063 U	0.065	0.063 U	0.063 U	0.065	18900	81	
PCS-6B-1	1/22/2008	K55466	0	2	0.13 U	0.13 U	0.13 U	0.13 U	0.46	0.077 J	0.13 U	0.54 J	67600	37	
PCS-6B-1	1/22/2008	K55467	0	2	0.13 U	0.13 U	0.13 U	0.13 U	0.076 J	0.13 U	0.13 U	0.076 J	55000	38	
PCS-6B-2	1/22/2008	K55465	0	2	0.098 U	0.098 U	0.098 U	0.098 U	0.098 U	0.18	0.098 U	0.18	22400	51	
PCS-6B-3	1/22/2008	K55464	0	2	0.084 U	0.084 U	0.084 U	0.084 U	0.049 J	0.084 U	0.084 U	0.049 J	30600	59	
PCS-7-1	1/22/2008				No Sediment - No Sample Collected										
PCS-7-2	1/22/2008	K55463	0	2	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	814	78	
PCS-7-3	1/22/2008				No Sediment - No Sample Collected										
PCS-8-1	1/22/2008	K55461	0	2	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	6870	83	
PCS-8-1	1/22/2008	K55462	0	2	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	0.060 U	2550	83	
PCS-8-2	1/22/2008	K55460	0	2	0.062 U	0.062 U	0.062 U	0.062 U	0.035 J	0.062 U	0.062 U	0.035 J	1100	80	
PCS-8-3	1/22/2008	K55459	0	2	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	0.057 U	2370	88	
PCS-11-1	1/22/2008	K55470	0	2	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	0.054 U	2350	93	
PCS-11-2	1/22/2008	K55469	0	2	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	0.064 U	15800	79	
PCS-11-3	1/22/2008	K55468	0	2	0.060 U	0.060 U	0.060 U	0.060 U	0.032 J	0.060 U	0.060 U	0.032 J	5010	83	
PCS-12-1	1/22/2008	K55473	0	2	0.17 U	0.17 U	0.17 U	0.17 U	0.22	0.13 J	0.18	0.17 U	0.53 J	127000	29
PCS-12-2	1/22/2008	K55472	0	2	0.069 U	0.069 U	0.069 U	0.069 U	0.23	0.051 J	0.069 U	0.28 J	18800	73	
PCS-12-3	1/22/2008	K55471	0	2	0.062 U	0.062 U	0.062 U	0.062 U	0.052 J	0.039 J	0.033 J	0.12 J	9540	80	

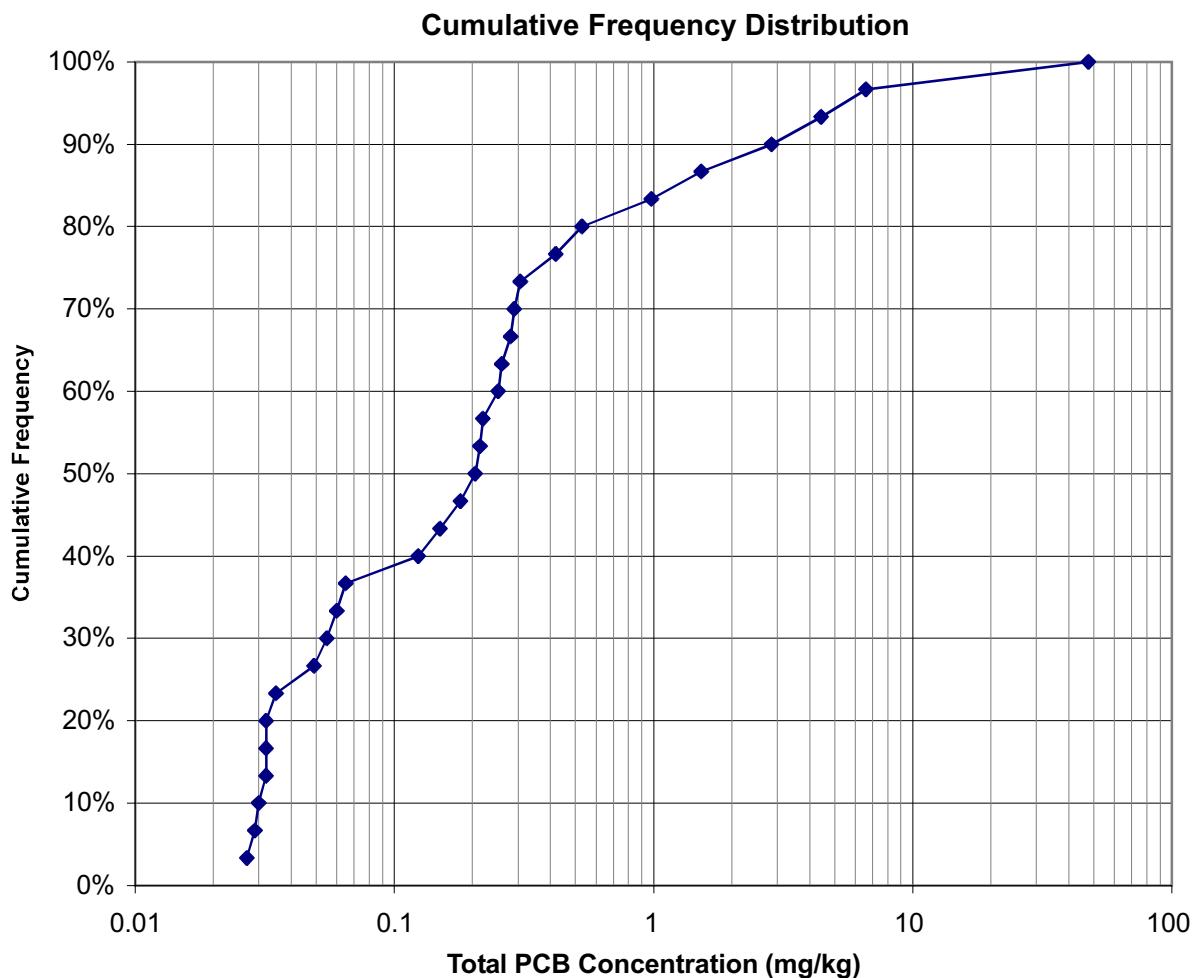
Notes:

J - The compound was positively identified; however, the associated numerical value is an estimated concentration only
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit

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Figures





Note:

Duplicate samples were averaged and PCB non-detections are shown as one-half of the sample quantitation limit.

KALAMAZOO RIVER STUDY GROUP
ALLIED PAPER, INC./PORTAGE CREEK/
KALAMAZOO RIVER SUPERFUND SITE
KALAMAZOO RIVER AREA 1 SRI
PHASE 1 DATA REPORT

**TCRA 2007 REMOVAL AREA SURFACE SEDIMENT
(0- TO 2-INCHES) TOTAL PCB CONCENTRATIONS
CUMULATIVE FREQUENCY DISTRIBUTION**